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PTO/SB/08A (09-09)

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complets if Known

Application Number	10/055,116
Filing Date	JANUARY 22, 2002
First Named Inventor	RAYMOND A. JOAO
Art Unit	2612
Examiner Name	V. TRIEU
Attorney Docket Number	RJ500

Examiner Initials*	Cite No. ¹	U. S. PATENT DOCUMENTS			
		Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
NTI ↓		US- 6,943,678	09-13-2005	MUIRHEAD	
		US- 6,749,418	06-15-2004	MUIRHEAD	
		US- 6,718,888	04-13-2004	MUIRHEAD	
		US- 6,661,339	12-09-2003	MUIRHEAD	
		US- 6,588,828	07-08-2003	MUIRHEAD	
		US- 6,340,194	01-22-2002	MUIRHEAD, ET AL.	
		US- 6,294,114	09-25-2001	MUIRHEAD	
		US- 5,137,322	08-11-1992	MUIRHEAD	
		US- 4,911,493	03-27-1990	MUIRHEAD	
		US- 4,828,315	05-09-1989	MUIRHEAD	
		US- 60/177,383	—	MUIRHEAD	
		US- 60/196,127	—	MUIRHEAD	
		US- 60/097,200	—	MUIRHEAD	
		US- 60/286,450	—	MUIRHEAD	
		US- 60/140,741	—	MUIRHEAD, ET AL.	
		US- 60/185,852	—	MUIRHEAD	
		US-			
		US-			
		US-			

Examiner Initials*	Cite No. ¹	FOREIGN PATENT DOCUMENTS			
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Examiner Signature	/Van Trieu/ (03/22/2007)	Date Considered	03/22/2007
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PTO/SB/08A (09-08)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	2	of	2
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Filing Date	JANUARY 22, 2002
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Attorney Docket Number	RJ500

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Examiner Signature	Van Trieu/ (03/21/2007)	Date Considered	03/21/2007
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 1

of

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Filing Date	JANUARY 22, 2002
First Named Inventor	RAYMOND A. JOAO
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U. S. PATENT DOCUMENTS					
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NTI		US- 7,164,117	01-16-2007	BREED, ET AL.	
		US- 7,155,264	12-26-2006	TWITCHELL, JR.	
		US- 7,136,832	11-14-2006	LI, ET AL.	
		US- 7,035,858	04-25-2006	MORIMOTO	
		US- 7,020,701	03-28-2006	GELVIN, ET AL.	
		US- 7,013,026	03-14-2006	TAKEHARA, ET AL.	
		US- 6,631,271	10-07-2003	LOGAN	
		US- 6,996,402	02-07-2006	LOGAN, ET AL.	
		US- 6,989,751	01-24-2006	RICHARDS	
		US- 6,988,079	01-17-2006	OR-BACH, ET AL.	
		US- 6,785,718	08-13-2004	HANCOCK, ET AL.	
		US- 6,700,493	03-02-2004	ROBINSON	
		US- 6,616,103	09-09-2003	MARRERO	
		US- 6,577,921	08-10-2003	CARSON	
		US- 6,531,982	03-11-2003	WHITE, ET AL.	
		US- 6,463,272	10-08-2002	WALLACE, ET AL.	
		US- 5,939,982	08-17-1999	GAGNON, ET AL.	
		US- 6,835,377	11-10-1998	BUSH	
		US- 5,821,880	10-13-1998	MORIMOTO, ET AL.	

FOREIGN PATENT DOCUMENTS						
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Examiner Signature	Van Trieu/ (03/21/2007)	Date Considered	03/21/2007
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Sheet 3 of 4

Complete If Known

Application Number	10/055,116
Filing Date	JANUARY 22, 2002
First Named Inventor	RAYMOND A. JOAO
Art Unit	2612
Examiner Name	V. TRIEU
Attorney Docket Number	RJ500

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		US- 6,943,678	09-13-2005	MUIRHEAD	
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		US- 6,661,339	12-09-2003	MUIRHEAD	
		US- 6,588,828	07-08-2003	MUIRHEAD	
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		US- 60/196,127			
		US- 60/097,200			
		US- 60/286,450			
		US- 60/140,741			
		US- 60/185,852			
		US-			
		US-			
		US-			

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Examiner
Signature

/Van Trieu/ (03/22/2007)

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Sheet 2 of 2

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		US- 20060270759	11-30-2006	MUIRHEAD, ET AL.	
		US- 20060243174	11-02-2006	MUIRHEAD	
		US- 20050241548	11-03-2005	MUIRHEAD	
		US- 20050237184	10-27-2005	MUIRHEAD	
		US- 20040168818	09-02-2004	MUIRHEAD	
		US- 20020113694	08-22-2002	MUIRHEAD	
		US- 20020058082	05-16-2002	MUIRHEAD	
		US- 20020030597	03-14-2002	MUIRHEAD	
		US- 20010038225	11-08-2001	MUIRHEAD	
		US- 20010029874	10-18-2001	MUIRHEAD	
		US- 11/510,484			
		US- 20050258955	11-24-2005	GLOEKLER, ET AL.	
		US- 60/533,329			
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		US- 5,734,963	03-31-1998	FITZGERALD, ET AL.	
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		US- 5,559,511	09-24-1996	ITO, ET AL.	
		US- 5,512,902	04-30-1996	GUTHRIE, ET AL.	
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